AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRARY

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

July 1959

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JULY 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	58.0	57.5	57.6	57.7	29.5	22.8	27.0	29.0	24.5	26.8
2	56.4	55.1	54.5	55.3	30.8	23.2	27.0	29.9	24.5	27.1
3	53.8	53.9	54.3	54.0	30.9	22.9	27.6	29.8	24.9	27.4
4	55.7	56.6	58.1	56.8	28.7	21.2	25.0	28.1	23.5	25.5
5	58.7	59.1	59.1	59.0	29.0	22.8	26.0	28.5	23.8	26.1
6	58.4	58.0	58.2	58.2	29.8	22.1	26.2	28.6	23.9	26.2
7	57.8	57.8	58.0	57.9	30.3	22.7	27.0	29.1	24.5	26.9
8	57.5	57.5	57.3	57.4	30.5	22.9	27.1	30.0	24.7	27.3
9	55.8	55.1	54.6	55.2	31.1	23.1	27.4	30.4	25.0	27.6
10	54.0	54.0	53.9	54.0	30.4	23.6	27.2	29.7	25.0	27.3
11	54.2	54.8	54.8	54.6	30.0	22.8	27.3	29.5	24.6	27.1
12	55.1	55.0	55.1	55.1	30.8	22.8	27.5	30.0	24.8	27.4
13	55.2	55.1	55.5	55.3	31.0	22.4	27.5	29.6	24.9	27.3
14	56.0	55.7	56.0	55.9	30.9	22.1	27.4	30.3	24.9	27.5
15	55.5	55.6	55.7	55.6	29.9	22.0	27.0	28.7	24.5	26.7
16	55.8	55.3	55.6	55.6	30.8	22.7	27.0	30.0	25.0	27.3
17	55.4	54.9	55.0	55.1	30.9	24.0	27.5	30.0	25.6	27.5
18	55.2	55.3	55.8	55.4	31.3	23.8	27.8	31.0	25.5	28.1
19	55.6	55.7	55.4	55.6	31.3	22.9	28.0	30.5	25.5	28.0
20	54.2	54.1	53.7	54.0	31.2	23.5	27.5	30.5	25.5	27.8
21	52.8	52.5	53.2	52.8	31.4	25.0	27.4	30.6	26.2	28.1
22	53.7	53.4	53.2	53.4	31.7	22.8	27.8	30.9	26.3	28.3
23	53.2	52.8	53.4	53.1	31.6	24.6	28.4	30.7	25.9	28.3
24	54.0	54.2	54.4	54.2	31.7	24.0	28.9	30.9	25.7	28.5
25	54.7	54.4	54.2	54.4	31.4	24.1	27.8	30.5	26.4	28.2
26	54.2	53.8	53.8	53.9	31.9	24.4	27.7	30.7	26.2	28.2
27	53.8	53.8	53.5	53.7	32.0	23.6	27.9	31.7	26.0	28.5
28	52.8	52.8	53.2	52.9	31.7	23.8	27.8	30.8	25.6	28.1
29	54.1	53.5	54.2	53.9	31.7	23.7	28.3	30.7	26.2	28.4
30	55.5	55.7	56.2	55.8	32.1	25.0	28.7	31.4	26.3	28.8
31	56.5	55.0	55.9	55.8	31.0	24.3	28.3	29.2	26.0	27.8
	55.28	55.10	55.59	55.21	30.88	23.28	27.45	30.14	25.22	27.55

Barometer, range for month 759.1 mm. — 752.5 mm.
„ 71-yr. average for month 755.46 mm.
Thermometer, range for month 32.1°C — 21.2°C
„ 82-yr. average for month 27.1°C
Rain total for month 1.90 mm.
„ 82-yr average for month 0.5 mm.
„ Total, Sept. 1st. to end of month 649.11 mm.
„ 82-yr average. Sept. 1st. to end of month 892.56 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	24.8	25.8	25.7	25.4	70	64	83	72	11.8	82	
2	25.8	25.9	25.4	25.7	73	61	83	72	12.7	124	
3	25.4	25.8	22.4	24.5	69	61	71	67	12.5	261	
4	18.5	20.1	19.4	19.3	58	53	67	59	8.7	174	1.90
5	20.8	21.9	20.3	21.0	62	56	70	63	12.4	121	
6	21.1	21.6	21.5	21.4	62	55	72	63	11.9	122	
7	21.8	22.4	23.3	22.5	61	55	76	64	12.8	111	
8	24.0	25.0	24.8	24.6	67	59	79	68	13.0	164	
9	25.0	27.3	25.5	25.9	68	63	80	70	12.8	166	
10	24.1	26.1	25.0	25.1	67	63	79	70	12.8	307	
11	23.4	24.1	24.0	23.8	64	58	78	67	12.5	315	
12	25.2	24.7	24.5	24.8	68	58	79	68	12.5	248	
13	25.6	25.9	24.5	25.3	70	63	78	70	12.5	196	
14	22.0	23.6	21.4	22.3	60	54	68	61	12.7	126	
15	21.8	22.7	21.8	22.8	61	58	71	63	12.8	114	
16	21.4	22.5	22.1	22.0	60	53	70	61	13.0	95	
17	22.6	25.0	26.0	24.5	61	59	80	67	11.8	87	
18	26.8	26.9	25.8	26.5	72	60	79	70	11.7	74	
19	27.6	27.0	26.0	26.9	73	61	80	71	12.3	74	
20	24.2	25.9	24.9	25.0	66	59	76	67	12.4	135	
21	22.0	27 8	28.1	26.0	60	64	82	69	11.2	240	
22	25.7	26.7	23.7	25.4	69	59	69	66	12.4	241	
23	23.2	25.8	24.6	24.5	60	59	73	64	12.4	214	
24	26.6	27.2	26.2	26.7	67	61	80	69	11.4	209	
25	25.8	26.4	26.4	26.2	69	60	76	68	11.5	113	
26	26.6	28.0	27.6	27.4	72	64	80	72	12.0	100	
27	27.4	28.8	27.8	28.0	73	62	82	72	12.0	154	
28	27.2	26.5	25.1	26.3	73	60	76	70	12.5	163	
29	23.0	27.4	25.0	25.1	60	62	73	65	11.9	249	
30	25 8	26.6	25.7	26.0	66	57	75	66	11.5	134	
31	22.0	25.2	25.2	24.1	57	62	75	65	11.8	53	
	24.10	25.37	24.51	24.68	65.7	59.4	76.1	67.1	12.13	160.19	0.06

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

JULY 1959

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	2st-ci	0	0.7	3w	3w	1w	light	
2	0	0	0	0.0	3sw	3sw	2sw	,,	
3	0	4st	0	1.3	4sw	3w	1w	,,	
4	10st-ni	2st	1cu	4.3	3sw	3sw	2w	,,	
5	1cu	1st	1st	1.0	1w	3w	3w	,,	
6	3cu-st	4cu-st	5cu	4.0	4sw	3w	1w	light	Tr.a.m
7	3cu	0	4cu	2.3	3sw	3sw	1sw	,,	
8	1cu	0	1cu	0.7	3sw	3sw	1sw	,,	
9	0	3cu-st	0	1.0	4sw	3sw	2sw	,,	
10	0	4cu-st	0	1.3	4sw	3sw	3sw	,,	
11	0	0	0	0.0	4sw	4sw	4sw	light	
12	0	2cu	0	0.7	4sw	3sw	2sw	,,	
13	2cu-st	8cu-st	0	3.3	3sw	3sw	1sw	,,	
14	1cu	5cu-st	5cu-st	3.7	3sw	3sw	1sw	,,	
15	2cu	7cu-st	5cu-st	4.7	3sw	3sw	1sw	,,	
16	0	1cu	2cu	1.0	2sw	2sw	1sw	light	
17	0	0	3cu	1.0	1sw	2sw	1sw	,,	
18	0	0	0	0.0	2sw	3sw	1sw	,,	
19	2cu	0	0	0.7	1sw	2sw	1sw	,,	
20	3cu	2cu	0	1.7	2sw	2sw	2sw	,,	
21	2cu	0	2cu	1.3	3sw	3sw	3sw	light	
22	0	0	0	0.0	2sw	4sw	4sw	,,	Readings wereo btain-
23	0	0	0	0.0	3sw	2sw	1sw	,,	ed from charts (22-23)
24	5cu-st	0	6st	3.7	3sw	3sw	3sw	,,	
25	0	6ci-st	10st	5.3	2sw	3w	2w	,,	
26	10cu-st	5ci-st	0	5.0	3sw	3sw	2sw	light	
27	7st	0	0	2.3	3sw	3sw	1sw	,,	
28	0	0	0	0.0	4sw	3sw	3sw	,,	
29	0	0	9st	3.0	4sw	3sw	3sw	,,	
30	0	1cu-st	3cu	1.3	3sw	3sw	1sw	,,	
31	0	3st	1cu	1.3	3sw	3w	1w	,,	
	mean			1.86					

Abbreviations : G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	0	0	29	2	0	0	31
14:30	0	0	0	0	0	25	6	0	0	31
20:30	0	0	0	0	0	24	7	0	0	31
Total	0	0	0	0	0	78	15	0	0	93

Number of days with rain 1, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.17
Time of reading minus 2 hours equals G.C.T